

INTERNATIONAL SEARCH REPORT

International Application No

 /IB2004/051078

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02C7/10 G02B26/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02C G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2001/017985 A1 (NOTO GORO ET AL) 30 August 2001 (2001-08-30)	1-21
X	figures 1-4, 7a-10c paragraph '0045! - paragraph '0059! paragraph '0083! - paragraph '0107!	22
Y	EP 1 069 450 A (CANON KK) 17 January 2001 (2001-01-17) paragraph '0010! - paragraph '0045!; figures 1-5	1-22
Y	US 4 968 127 A (MUFICH FRANK ET AL) 6 November 1990 (1990-11-06) figures 1,2 column 2, line 32 - column 3, line 16 ----- -/--	1-22



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

7 October 2004

Date of mailing of the international search report

14/10/2004

Name and mailing address of the ISA


European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Windecker, R

INTERNATIONAL SEARCH REPORT

International Application No

T/IB2004/051078

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>EP 1 118 899 A (DUMAS JEAN CLAUDE ; REYMOND JACQUES (FR); SASSI HOCINE (FR); SOTTON AN) 25 July 2001 (2001-07-25) figures 1,2 paragraph '0020! - paragraph '0026! -----</p>	1-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051078

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2001017985	A1	30-08-2001	JP 2001228307 A	24-08-2001
			JP 2001249282 A	14-09-2001
EP 1069450	A	17-01-2001	JP 2000356751 A	26-12-2000
			JP 2000356792 A	26-12-2000
			EP 1069450 A2	17-01-2001
			US 6449081 B1	10-09-2002
US 4968127	A	06-11-1990	NONE	
EP 1118899	A	25-07-2001	EP 1118899 A1	25-07-2001